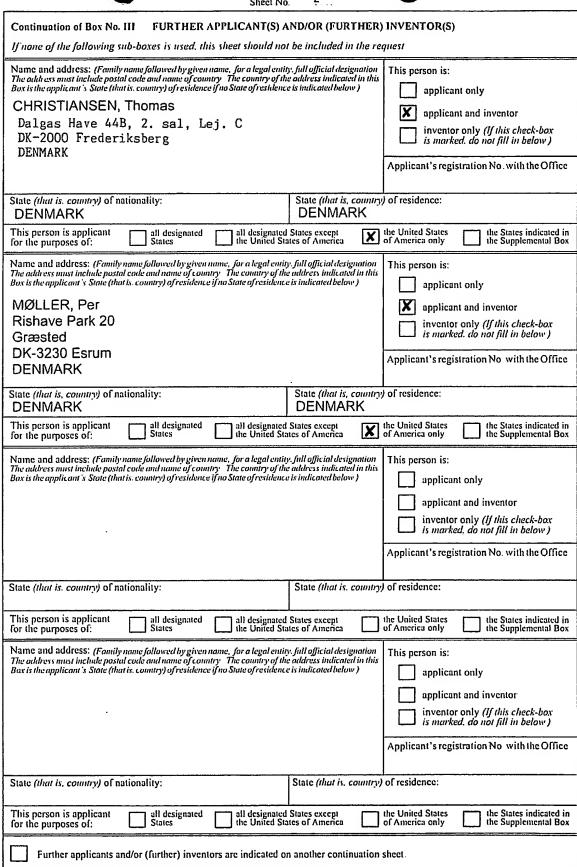
PCT	For	r receiving Office use only	
	International Application	on No.	
REQUEST	International Filing Da	te	
The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.	Name of receiving Office and "PCT International Application"		
	Applicant's or agent's file reference (if desired) (12 characters maximum) 77674 HD/Ve		
Box No. I TITLE OF INVENTION	·		
Case-hardening of stainless steel			
Box No. II APPLICANT This perso	n is also inventor		
Name and address: (Family name followed by given name; for a legal ent The address must include postal code and name of country. The country of t Box is the applicant's State (that is, country) of residence if no State of residen	Telephone No + 45 45 25 22 50		
Danmarks Tekniske Universitet - DTU		Facsimile No + 45 45 25 22 08	
Ledelsessekretariatet Bygning 101 A	Teleprinter No		
DK-2800 Kgs. Lyngby DENMARK		Applicant's registration No with the Office	
State (that is, country) of nationality: DENMARK	State (that is, country) DENMARK	of residence:	
This person is applicant all designated for the purposes of:		the United States of America only the States indicated in the Supplemental Box	
Box No. III FURTHER APPLICANT(S) AND/OR (FURT	HER) INVENTOR(S)		
Name and address: (Family name followed by given name, for a legal entity, full official designation The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below)  applicant only			
SOMERS, Marcel A.J.		applicant and inventor	
Ville Heise Park 37 DK-3450 Allerød		inventor only (If this check-bax	
DENMARK		is marked, do not fill in below.)	
·		Applicant's registration No. with the Office	
State (that is. country) of nationality:	State (that is, country)	of residence:	
THE NETHERLANDS  This person is applicant all designated for the purposes of:  all designated the United States	DENMARK d States except tates of America	the United States of America only the States indicated in the Supplemental Box	
Further applicants and/or (further) inventors are indicated of	on a continuation sheet		
Box No. IV AGENT OR COMMON REPRESENTATIVE	; OR ADDRESS FOR	CORRESPONDENCE	
The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authorities	as:	agent common representative	
Name and address: (Family name followed by given name, for a legal enti The address must include postal code and name of co	ty, full official designation nuntry)	Telephone No + 45 33 15 45 14	
CHAS. HUDE A/S H.C. Andersens Boulevard 33		Facsimile No. + 45 33 15 45 35	
DK-1780 Copenhagen V		Teleprinter No	
DENMARK			

Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent Form PCT/RO/101 (first sheet) (March 2001; reprint January 2003)

See Notes to the request form

Agent's registration No. with the Office

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	n	



Form PCT/RO/101 (continuation sheet) (March 2001; reprint January 2003)

Sheet No. .3...

Box No. V DESIGNATION OF STATES	S Mark the applicable check-boxes below	w; at least one must be marked.	
The following designations are hereby made under Rule 4.9(a): Regional Patent			
AP ARIPO Patent: GH Ghana, G SL Sierra Leone, SZ Swaziland, TZ State which is a Contracting State	Z United Republic of Tanzania, UG Uganda,	, ZM Zambia, ZW Zimbabwe, and any other other kind of protection or treatment desired,	
EA Eurasian Patent: AM Armenia, A RU Russian Federation, TJ Tajikis Patent Convention and of the PCT		KZ Kazakhstan, MD Republic of Moldova, which is a Contracting State of the Eurasian	
Republic, DE Germany, DK Denni IE Ireland, IT Italy, LU Luxembou	nark, EE Estonia, ES Spain, FI Finland, FR	nd and Liechtenstein, CY Cyprus, CZ Czech R France, GB United Kingdom, GR Greece, Igal, SE Sweden, SI Slovenia, SK Slovakia, Patent Convention and of the PCT	
OA OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GQ Equatorial Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line)			
National Patent (if other kind of protection	or treatment desired, specify on dotted line):		
🗵 AE United Arab Emirates		☑ NZ New Zcaland	
	HR Croatia		
🛛 AL Albania		🔀 PH Philippines	
🗵 AM Armenia ,	ID Indonesia	PL Poland	
🛮 AT Austria and utility model			
🖾 AU Australia:			
🗵 AZ Azerbaijan		X RU Russian Federation	
BA Bosnia and Herzegovina			
	KE Kenya		
BG Bulgaria	KG Kyrgyzstan	SD Sudan	
	KP Democratic People's Republic		
BY Belarus	of Korea	SG Singapore	
BZ Belize	KR Republic of Korea	🗵 SK Slovakia and utility model	
		SL Sierra Leone	
CH & L1 Switzerland and Liechtenstein		X TJ Tajikistan	
☑ CN China		IM Turkmenistan	
	☑ LR Liberia	IN Tunisia	
	☑ LS Lesotho		
and ittaliativ	LT Lithuania	X TT Trinidad and Tobago	
CZ Czech Republic model	LU Luxembourg		
	LV Latvia	X TZ United Republic of Tanzania	
	MA Morocco	☑ UA Ukraine	
		UG Uganda	
M DZ Algeria		☑ US United States of America	
	MG Madagascar		
EE Estonia and utility model			
⊠ ES Spain		VC Saint Vincent and the Grenadines	
	MN Mongolia	☑ VN Viet Nam	
	MWMalawi		
		ZA South Africa	
	MZ Mozambique		
M GH Ghana	M NO Norway	ZW Zimbabwe	
Check-boxes below reserved for designating S	States which have become party to the PCT	after issuance of this sheet:	
M NI= Nicaragua	o	<b></b>	
SY = Syrian Arab Republic		<u> </u>	
Precautionary Designation Statement: In other designations which would be permitted excluded from the scope of this statement. The any designation which is not confirmed before	addition to the designations made above, the under the PCT except any designation(s) is applicant declares that those additional design	e applicant also makes under Rule 4.9(b) all ndicated in the Supplemental Box as being gnations are subject to confirmation and that	

Form PCT/RO/101 (second sheet) (January 2003)

See Notes to the request form

applicant at the expiration of that time limit (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

	4
Sheet No.	4

Box No. VI PRIORITY CLAIM				
The priority of the following	earlier application(s) is here	by claimed:		
Filing date	Number	nber Where earlier application is:		
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office
item (1) 16 July 2002 (16.07.2002)	PA 2002 01108	DENMARK		
item (2) 5 August 2002 (05.08.2002)	US 60/401,215	USA		
item (3)				
item (4)				
item (5)				
Further priority claims	are indicated in the Suppleme	ntal Box		
The receiving Office is requeif the earlier application was above as:	ested to prepare and transmit filed with the Office which for	to the International Bureau the purposes of this interna	a certified copy of the e	earlier application(s) (only ecciving Office) identified
all items item (	(1) item (2)	item (3) item	(4) item (5)	other, see Supplemental Box
* Where the earlier application is an ARIPO application, indicate at least one country party to the Paris Convention for the Protection of Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4 10(b)(ii))				
Box No. VII INTERNAT	IONAL SEARCHING AUT	THORITY		
Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):				
ISA / .EP				
Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority)  Date (day/month/year)  Number Country (or regional Office)				
Box No. VIII DECLARATIONS				
The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable  Number of check-boxes below and indicate in the right column the number of each type of declaration):  declarations				
Box No VIII (i)	Declaration as to the identit	ly of the inventor		:
Box No VIII (ii)	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent :			
Box No VIII (iii)	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application			;
Box No VIII (iv)	Declaration of inventorship United States of America)	p (only for the purposes of	the designation of the	: 2
Box No VIII (v)	Declaration as to non-preju	udicial disclosures or exce	ptions to lack of novelty	:

Form PCT/RO/101 (third sheet) (July 2002; reprint January 2003)

Sheet No

Box No. VIII (iv) DECLARATION: INVENTORSHIP (only for the purposes of the designation of the United States of America) The declaration must conform to the following standardized wording provided for in Section 214. see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No.VIII (iv). If this Box is not used, this sheet should not be included in the request.

for the purposes of the designation of the United States of America:
I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.
This declaration is directed to the international application of which it forms a part (if filing declaration with application).
This declaration is directed to international application No. PCT/ (if furnishing declaration pursuant to Rule 26ter).
I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.
I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.
Prior Applications:
**************************************
I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.
Name: SOMERS, Marcel, A.J.
Residence: Ville Heise Park 37, DK-3450 Allerød, DENMARK (city and either US state, if applicable, or country)  Mailing Address: Ville Heise Park 37, DK-3450 Allerød, DENMARK
Citizenship: Denich Dutch  Inventor's Signature:  (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the openit,  Date: 23/C - 2003  (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)
CHRISTIANSEN, Thomas
Residence: Dalgas Have 44B, 2. sal, Lej. C, DK-2000 Frederiksberg, DENMARK (city and either US state, if applicable, or country)
Mailing Address: Dalgas Have 44B, 2, sal, Lej. C, DK-2000 Frederikeberg, DENMARK
Citizenship: Danish  Inventor's Signature:

This declaration is continued on the following sheet, "Continuation of Box No. VIII (iv)".

Form PCT/RO/101 (declaration sheet (iv)) (March 2001; reprint January 2003)

## Sheet 1

Continuation of Box No. VIII (i) to (v) DECLARATION

If the space is insufficient in any of Boxes Nos VIII (i) to (v) to furnish all the information, including in the case where more than two inventors are to be named in Box No VIII (iv). in such case, write "Continuation of Box No. VIII..." (indicate the item number of the Box) and furnish the information in the same manner as required for the purposes of the Box in which the space was insufficient. If additional space is needed in respect of two or more declarations, a separate continuation box must be used for each such declaration If this Box is not used, this sheet should not be included in the request

should not be included in the request		•	
Continuation of Box No VIII	l (iv)		
Name: MØLLER, Per			
Residence: Rishave Park 20, Græsted, DK-3230 Esrum, DENMARK			
Mailing address: Rishave Park 20, Græsted, DK-3230 Esrum, DENMARK			
Citizenship: Danish	~_		
Inventor's Signature:	The Man	Date:	23/6-2003

Form PCT/RO/101 (continuation sheet for declaration) (March 2001; reprint January 2003)

Box No. IX CHECK LIST; LANGUAGE	OF FILING		
This international application contains:  (a) in paper form, the following number of sheets:  request (including declaration sheets):  description (excluding sequence listings and/or tables related thereto):  claims:  abstract:  drawings:  Sub-total number of sheets:  24 sequence listings:	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item)  1.  fee calculation sheet  2. original separate power of attorney  3. original general power of attorney  4. copy of general power of attorney; reference number, if any:  5. statement explaining lack of signature  6. priority document(s) identified in Box No. VI as item(s):  7. translation of international application into (language):	of items : : : : : : : : : : : : : : : : : : :	
tables related thereto  (for both, actual number of sheets if filed in paper form, whether or not also filed in computer readable form, see (c) below)  Total number of sheets : 24  (b) only in computer readable form (Section 801(a)(i))  (i) sequence listings  (ii) tables related thereto	8. ☐ separate indications concerning deposited microorgar or other biological material  9. ☐ sequence listings in computer readable form (indicate type and number of carriers)  (i) ☐ copy submitted for the purposes of international se Rule 13ter only (and not as part of the international (ii) ☐ (only where check-box (b)(i) or (c)(i) is marked in left additional copies including, where applicable, the copurposes of international search under Rule 13ter  (iii) ☐ together with relevant statement as to the identity o copies with the sequence listings mentioned in left	arch under application): column) copy for the f the copy or column :	
(c) also in computer readable form (Section 801(a)(ii))  (i) sequence listings  (ii) tables related thereto  Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the sequence listings: tables related thereto:  (additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	<ul> <li>tables in computer readable form related to sequence li (indicate type and number of carriers)</li> <li>(i) □ copy submitted for the purposes of international sea Section 802(b-quater) only (and not as part of the in application)</li> <li>(ii) □ (anly where check-box (b)(ii) or (c)(ii) is marked in legadditional copies including, where applicable, the copurposes of international search under Section 802(iii) □ together with relevant statement as to the identity of copies with the tables mentioned in left column other (specify): Copy of Off. Act. in PA 2002</li> </ul>	arch under nternational : (t column) opy for the (b-quater) t the copy or	
Figure of the drawings which should accompany the abstract:	Language of filing of the international application: English		
Box No. X SIGNATURE OF APPLICAN Next to each signature, indicate the name of the person sig	T, AGENT OR COMMON REPRESENTATIVE ning and the capacity in which the person signs (if such capacity is not obvious,	from reading the request).	
Danmarks Tekniske Universitet  Marcel A.J. Somers  Thomas Christiansen  VICE RECTOR KNUT CONPARCEN  Per Møller			
Date of actual receipt of the purported international application:	For receiving Office use only	2. Drawings:	
<ul> <li>3 Corrected date of actual receipt due to later timely received papers or drawings completi the purported international application:</li> <li>4. Date of timely receipt of the required corrections under PCT Article 11(2):</li> </ul>		not received:	
5 International Searching Authority (if two or more are competent): ISA /	6. Transmittal of search copy delayed until search fee is paid		
	For International Bureau use only		
Date of receipt of the record copy by the International Bureau:			

Form PCT/RO/101 (last sheet) (January 2003)